

# EVERSON

SWIMMING POOL EQUIPMENT  
AND ACCESSORIES

**EVERSON MANUFACTURING CO.**

GENERAL OFFICES 214 W. HURON STREET CHICAGO, ILLINOIS





# SWIMMING

## POOL EQUIPMENT, ACCESSORIES AND SUPPLIES

Safety Electric Sterilizers  
Solution Feed Sterilizers  
Water Clarification Filters  
Underwater Lights  
Suction Pool Cleaners  
Water Level Control  
Special Design Pool Fittings  
Suction Pumps

Self-Contained Flood Lights  
Swimming Pool Drains  
Strainer for Hair and Lint  
Recirculating Pumps  
Chemical Feeders  
Observation Windows  
Testing Sets  
Water Heaters

Pool Ladders  
Diving Boards  
Natatorium Slides  
Safety Equipment  
Foot Baths  
Tested Chemicals  
Electric Water Coolers  
Chlorine Feeders

### EVERSON EXPERIENCE AND LEADERSHIP

During its quarter of a century of leadership, Everson has contributed more to the betterment of swimming than any other institution. Everson pioneered and developed complete equipment for swimming pool filtration and sterilization systems. Everson made the sterilization of water safe with the Everson Safety Electric Sterilizer. Everson created Underwater lighting—a development that has doubled the usable hours of pools. And, through the years, Everson laboratories and engineers have developed and sponsored innumerable refinements in pool equipment. Truly, the name Everson is today recognized as the logical source for "anything for the swimming pool."

### EVERSON SERVICE TO ARCHITECTS

Everson maintains an adequate staff of engineers and experts thoroughly experienced in the design and construction of every type of swimming pool. This staff—built up during a quarter century of specialization in swimming pool equipment—is ready to serve you at all times. Architects and engineers are invited to avail themselves of this service. Advice and information are given without obligation or charge. And, when desired, detailed drawings and estimates are gladly furnished.

Consult Everson first. Here you'll find the correct solution for every problem of pool design, construction, maintenance, and operation.

CATALOG No. 1128

# EVERSON

## MANUFACTURING COMPANY

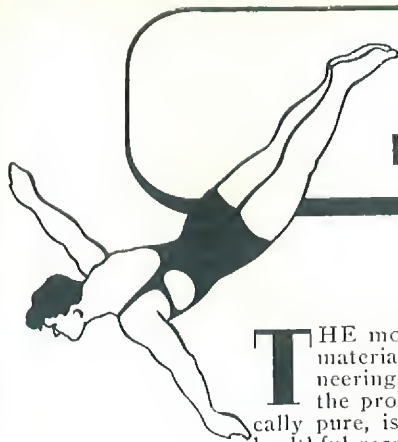
214 W. Huron Street

CHICAGO

ILLINOIS







# ESSENTIAL FACTORS

## IN THE DESIGN AND LAYOUT OF SWIMMING POOL SYSTEMS

21  
67

**T**HE modern swimming pool involves considerably more than the placing together of construction materials and filling the tank with water. In reality, it involves all the factors of a sanitary engineering problem. True, questions of location, layout, and construction must be met and solved, but the problem of establishing and maintaining a clean pool with water bacteriologically and chemically pure, is of primary importance. Fundamentally, the swimming pool must be considered a place of healthful recreation where the water supply is scrupulously guarded. Only by incorporating established swimming pool standards in the design of the pool can this ideal be realized.

The Everson organization has worked unceasingly to improve the modern swimming pool. Research work has solved many of the difficult problems and has established essential factors. Thus it is that Everson recommendations are the accepted standards wherever swimming pools are built.

*... these are the points to remember*

**SHAPES**—Rectangular shapes are best for indoor pools. For outdoor pools use rectangular, circular, U or T shapes, or other variations. Advantages depend upon local conditions. The tendency is to build more than one pool at each location—one for wading, one for depths not exceeding 4 to 5 feet, and another entirely of deep water for swimming and diving.

**DIMENSIONS**—Use multiples of 5 feet for width and 15 feet for length. For Olympic requirements use multiples of 5 feet for width and 25 meters for length.

**DEPTHS**—Provide 3'6" minimum at shallow end. Provide 10 to 12 feet depth at 15 feet from end of pool. These depths accommodate 3 meter or 10 feet high dive.

**BATHING LOADS**—Figure 12 persons within 10 ft. radius of each board, 27 sq. ft. for swimmers, 10 sq. ft. for bathers. Water over 5 ft. to be considered swimming area. Allow 12 feet of free and unobstructed head room above diving boards. Any space around pool for spectators should be absolutely separated from space used by bathers or swimmers.

**WADING POOLS**—Wading area shall be separate from swimming pool. Source water to come from filtration system but not recirculated. Wading pool to be entirely emptied and cleaned daily.

**PIPING SYSTEM**—Provide for the following: Filling of pool, circulation of pool water, washing of individual filters, filter to waste, operation of suction cleaner and discharge to sewer, emptying of pool, overflow drainage, regulation of flow through pool inlets. See Everson Adjustable Flow Inlet fitting.

**WATER SUPPLY**—A direct connection of potable water supply is prohibited. To accomplish broken connection, install Everson's open surge tank or vacuum break. Overflow drains shall surround entire pool; fittings to be placed on 10 ft. centers. Inlets shall be located on 20 ft. centers around perimeter of pool, to obtain effective circulation. Main drain fittings shall be placed at lowest point in pool not over 10 ft. from side walls and

on 20 ft. centers. A trench grating is advisable for all open air pools.

**FILTRATION**—For clarification, equipment shall be of sufficient capacity to provide turnover of pool capacity once in every 4 to 8 hours, based on filtration rate of 3GPM per sq. ft. for pressure filters, and 2GPM for gravity filters. Make-up of battery of 3 or more filters recommended. Backwash rate for filter should be equal to 12 to 15 GPM per sq. ft. of filter area of filter. Because recirculating pump must deliver this supply, battery of 3 or more filter units is recommended.

**STERILIZATION**—Various methods are set forth, but chlorine in one form or another is recommended because of effective results and simplicity in taking tests. In indoor pools the electric sterilizer eliminates the necessity of separate vaults with fans and vents.

**RECIRCULATING PUMP**—Locate below pool water level to insure priming. Any pump located above pool-water level shall be self-priming.

**HEATING**—On indoor pools, heating apparatus should be installed. Blowing steam directly into pool water or placing coils in pool water are not permitted.

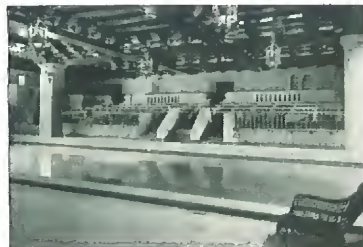
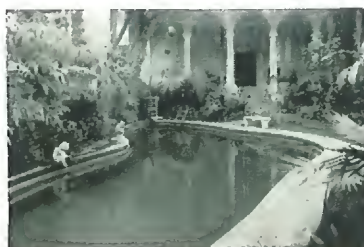
**COOLING**—Frequently, the temperature of the source of supply reaches 90 degrees. To maintain a uniform temperature of approximately 75 degrees, a cooling unit is advisable.

**UNDERWATER LIGHTS**—Locate in both side walls on 10 ft. centers, starting not over 7½ ft. from either end.

**SUCTION CLEANER**—Should be provided, operated by circulating pump or special portable self-priming pump, the latter for large outdoor pools.

**DIVING BOARDS**—Provide regulation one-meter and three-meter stands and boards.

**LADDERS**—Locate in side walls of pool near ends; on indoor pools provide 4 ladders; on outdoor pools, locate ladders on 50 to 75 ft. centers for depths. Ladders of recess or built-in type are preferable.



THE EVERSON PEOPLE  
3  
THE SWIMMING POOL



# THE RECIRCULATING SYSTEM

PIONEERED BY EVERSON

21  
67

Pioneered by Everson, the recirculating system of pool water purification ended the era of swimming tanks, and made possible the modern pools of today.

With the Everson Recirculating system, every pool—indoor and outdoor—is an ideal swimming pool, with clear, sparkling water. The sides and bottom are free from deposit or dirty film—hygienically safe and inviting.

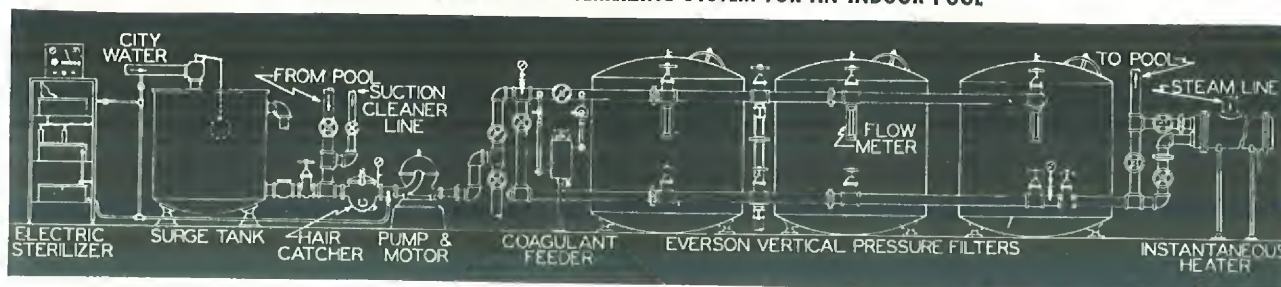
An examination of the diagram below will explain how the Everson Recirculating system functions. Briefly, the system operates as follows: Motor driven pumps draw the water from the pool through Outlet Fittings and Strainers. Sterilizing solution is here fed into the

line. It is also fed to lines feeding directly to Inlets. The pump then forces the sterile water through the filters and back into the pool through Inlet Fittings. Pure and fit to drink, the water meets every requirement of Municipal, State, and Federal Health Department specifications.

It must be apparent that under the Everson system, filter beds remain sterile—do not become infected breeding places for bacteria. Unquestionably, this system keeps the water pure at all times.

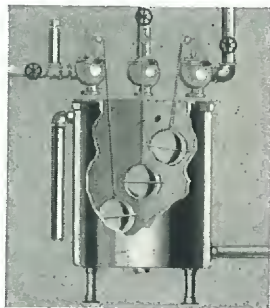
The Everson Recirculating system is furnished for installation complete as shown, or the units and fittings can be obtained separately.

## EVERSON FILTERING AND STERILIZING SYSTEM FOR AN INDOOR POOL

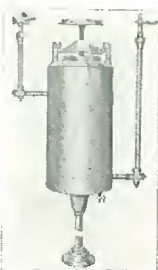


## EVERSON FILTERING EQUIPMENT MAKES THE POOL MODERN

This invention definitely prevents any swimming pool water from backing up, syphoning, or coming in contact with the city water supply, thereby conforming to the recommendations of the highest authorities on sanitation. It is furnished in various sizes and capacities, and supplied with balanced float-controls on the city-water and return lines from the pool, and becomes a part of the recirculating system. The Everson Hair and Lint Catcher consists of a strainer basket encased in cast iron and placed in the suction line of the pump. It prevents



WATER LEVEL CONTROL



ALUM POT  
COAGULATOR

**Alum Pot Coagulator**—This unit dissolves and feeds alum to the filter bed where it fills minute openings between particles of the bed—thus increasing filtering efficiency.

**Pressure Gauges**—Properly placed, these gauges give an instant check on the operation of all units.

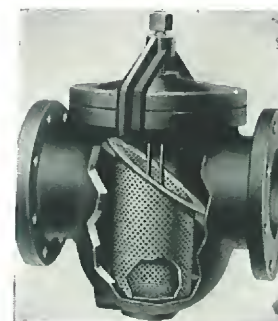
**Strainers**—Improved new T type, non-clogging strainers. Provided in several sizes.

**Rate of Flow Indicator**—Registers rate of flow—a measure of output.

**Sight Glass**—For observing condition of water during filtering or back-washing.

coins, marbles, hair, lint, etc., from clogging the pump and from entering the filters. All water passes through while all objectionable matter collects in the strainer. When the basket becomes clogged, it is easily taken out and cleaned.

The assembly of an efficient filtering system is a specialized function of the Everson engineers. In addition to all standard equipment, Everson is prepared to provide many special items, such as the filter controls listed here.



HAIR AND LINT STRAINER

## SELECTION TABLE FOR CIRCULATING EQUIPMENT

Pool capacity	Filters	Sterilizer	Hair catcher	Pump capacity	Space requirements
50,000*	3-48" diam. V	E-6	4"	110 GPM.	20'x15'x 8' high
75,000*	3-60" " V	E-6	4"	160 "	25'x15'x 8' "
100,000	3-66" " V	R-51	4"	210 "	25'x15'x 8' "
150,000	3-84" " V	R-52	6"	325 "	30'x15'x 8' "
200,000	3-90" " V	R-52	6"	420 "	30'x15'x 8' "
300,000	4-96" " V	R-53	8"	625 "	35'x17'x10' "
400,000	3-8'x12' H	R-54	8"	850 "	35'x20'x10' "
500,000	4-8'x12' H	R-55	8"	1050 "	40'x20'x10' "

\*Indoor.



# EVERSON FILTRATION EQUIPMENT

*Produces crystal-clear water with the utmost economy*

## SELECTING THE PROPER FILTER

Nearly every filtration project requires an individual type of filtering system. In determining the type of filter to be used, one thing should be considered paramount—the most efficient method for clarification of the water. Satisfactory filtration service can be secured only when all conditions have been analyzed. Yet certain refinements have a distinct bearing upon the ultimate results. The arrangement of the interior underdrainage system and strainer valves, the quality of the filter material, pipe sizes, backwashing facilities, and the design of the operating manifold, control largely, the life, economy and efficiency of the filter.

## EVERSON FILTER EQUIPMENT ASSURES SATISFACTORY AND ECONOMICAL RESULTS

Everson has built and furnished thousands of filter units for swimming pools, industrial plants, theatres, drinking water supplies, etc., and architects and engineers can be assured of satisfactory and economical results by specifying Everson standard units to meet capacity requirements.

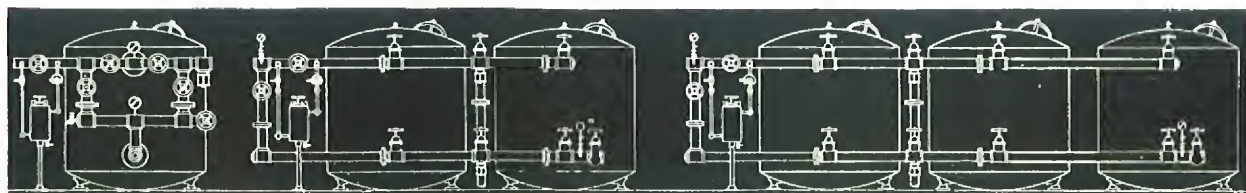
Occasionally some water filtration project presents problems as to type and construction of filters, and the specialized engineers of the Ever-

son organization welcome inquiries. A table setting forth capacities of battery of one, two, or three filters based on a filtration rate of 3 G.P.M., per square foot of filter area is given below for ready reference. Because of regulations set forth by a majority of State Health Departments governing swimming pools, it is recommended that consideration be given to a battery of three filter units to meet the backwash requirements.

TABLE OF AREA, CAPACITY, PIPE SIZES AND APPROXIMATE FLOOR SPACE AND WEIGHTS OF ALL FILTERS

Diameter of filter.....	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	8'x10'	8'x12'	8'x16'
Sq. ft. of filter area.....	4.9	7.0	9.6	12.6	16.0	19.6	23.7	28.3	33.2	38.5	44.2	50.0	63.6	78.5	77	87	117
One filter.....	Cap. G.P.M. .... 14.7 Cap G.P.H. .... 882 Cap. G. P. 24 Hr. 21,168	21.0 1,260 30,240	28.8 1,728 41,472	37.8 2,268 54,432	48.0 2,880 69,120	58.8 3,528 84,672	71.1 4,266 102,384	84.9 5,094 122,256	99.6 5,976 143,424	115.5 6,930 166,320	132.6 7,956 190,944	150.0 9,000 216,000	190 11,400 273,600	235 14,100 338,400	230 13,500 331,200	260 15,600 384,000	350 21,000 504,000
Two filters.....	Cap. G.P.M. .... 29.4 Cap. G.P.H. .... 1,764 Cap. G. P. 24 Hr. 42,336	42.0 2,520 60,480	57.6 3,456 82,944	75.6 4,536 108,864	96.0 5,760 138,240	117.6 7,056 169,344	142.2 8,532 204,768	169.8 10,188 244,512	199.2 11,952 286,848	231.0 13,860 332,640	265.2 15,912 381,888	300.0 18,000 432,000	380 22,800 547,200	470 28,200 676,800	460 27,600 662,400	520 31,200 768,000	700 42,000 1,008,000
Three filters.....	Cap. G.P.M. .... 44.1 Cap. G.P.H. .... 2,646 Cap. G. P. 24 Hr. 63,504	63.0 3,780 90,720	86.4 5,184 124,416	113.4 6,804 163,296	144.0 8,640 207,360	170.4 10,584 254,016	213.3 12,798 307,152	254.7 15,282 366,768	298.8 17,928 430,272	346.5 20,790 495,960	397.8 23,868 572,832	450.0 27,000 648,000	570 34,200 820,800	705 42,300 1,015,200	690 41,400 993,600	780 46,800 1,152,000	1,050 63,000 1,512,000
Approx. floor space.....	(One..... 3'x3' Two..... 3'x6' Three..... 3'x10'	4'x3' 4'x7' 4'x11'	4'x4' 4'x8' 4'x13'	5'x4' 5'x9' 5'x14'	5'x5' 5'x10' 5'x16'	6'x5' 6'x11' 6'x17'	6'x6' 6'x12' 6'x19'	7'x6' 7'x13' 7'x20'	8'x7' 8'x14' 8'x22'	8'x7' 8'x15' 8'x23'	9'x8' 9'x16' 9'x25'	10'x9' 10'x17' 10'x26'	10'x14' 10'x17' 10'x26'	11'x14' 11'x17' 11'x26'	10'x15' 10'x17' 10'x26'	10'x17' 10'x17' 10'x26'	10'x22' 10'x22' 10'x22'
Room height required.....	6'1"	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	9'	9'	10'	10'	10'
Main header supply and outlet pipes.....	(One..... 1 1/2" Two..... 2" Three..... 2 1/2"	2" 2 1/2" 2 1/2"	2" 2 1/2" 3"	2 1/2" 3" 3 1/2"	2 1/2" 3" 3 1/2"	3" 3 1/2" 3 1/2"	3" 3 1/2" 4"	3 1/2" 4" 4"	4" 4" 4"	4" 5" 5"	5" 5" 5"	5" 6" 6"	5" 6" 6"	6" 6" 6"	6" 8" 8"	6" 8" 8"	6" 8" 8"
Approx. weights.....	(Tank and fittings 600 Filter bed..... 1,400 of filters..... 2,000 Operating..... 3,000	1,300 2,100 3,400 4,500	1,500 2,800 4,300 6,000	2,000 3,600 4,500 8,000	2,500 4,800 5,300 10,000	3,000 5,800 7,300 12,000	3,200 7,100 10,300 14,000	3,500 8,400 10,300 17,000	4,000 9,900 13,900 21,000	5,500 11,500 19,500 25,000	6,000 13,000 21,500 29,000	6,500 15,000 27,500 33,000	8,500 19,000 33,500 41,500	8,500 23,500 37,500 53,000	8,900 26,000 41,900 57,500	11,500 31,900 50,700 60,000	15,700 35,000 50,700 82,500

## EVERSON FILTERS—SINGLE AND IN BATTERIES



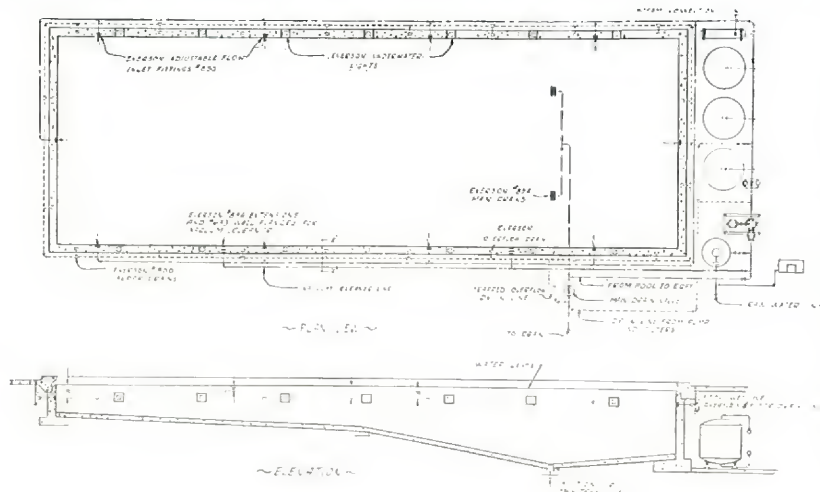
THE EVERSON PEOPLE  
5  
SWIMMING POOL PEOPLE

# EVERSON POOL FITTINGS

21  
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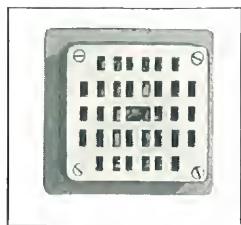
*A pool is no better than its Fittings*

## THE SELECTION AND PLACING OF THE STANDARD FITTINGS FOR THE IDEAL POOL



The life of the pool depends on its fittings. For only with properly designed fittings can the water be recirculated efficiently. To insure long life, low maintenance costs and proper operation, architects, engineers and pool operators insist on Everson Pool Fittings throughout. Because Everson Pool Fittings are especially designed for pool use — not just adapted. They embody more than a quarter century of specialized experience in swimming pool equipment. Properly installed, they simplify piping, lower frictional loss, and give trouble-free service for the life of the pool.

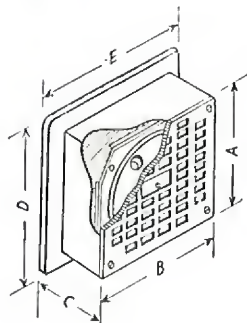
## THE NEW EVERSON ADJUSTABLE FLOW INLET FITTING



This adjustable flow inlet fitting is truly a new departure from the ordinary inlet fitting. It adapts itself to old pools where new State Health Requirements make necessary the installation of additional inlets. It also adapts itself to new pools where it is desired to distribute accurately the circulating water to all parts of the pool. The new fitting prevents any possible stagnation of water at any point in the pool, and makes unnecessary all other valving in the individual pool inlet line.

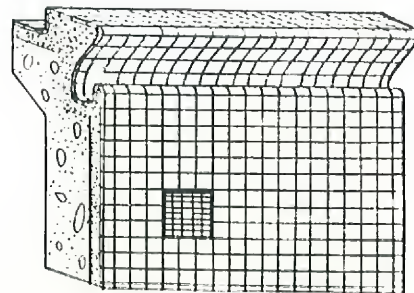
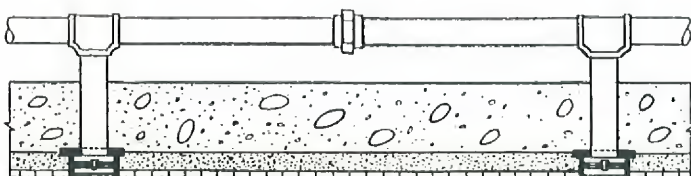
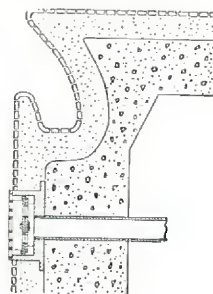
Adjustment of the orifice is accomplished through the front grating, and the flow rate can be set for continual operation.

The body of this fitting can be furnished in either cast brass or cast iron japanned or galvanized, with special Cora Metal front plates.



ADJUSTABLE FLOW INLET FITTINGS

Catalogue number	Supply pipe size	Dimen. A	Dimen. B	Dimen. C	Dimen. D	Dimen. E	Total weight
890	1 1/4"	3 3/4"	3 3/4"	2"	4 3/4"	4 3/4"	4 1/2 lb.
890	1 1/2"	3 3/4"	3 3/4"	2"	4 3/4"	4 3/4"	4 1/2 lb.
891	2"	4 3/4"	4 3/4"	2 3/8"	5 3/4"	5 3/4"	7 lb.
891	2 1/2"	4 3/4"	4 3/4"	2 3/8"	5 3/4"	5 3/4"	7 lb.





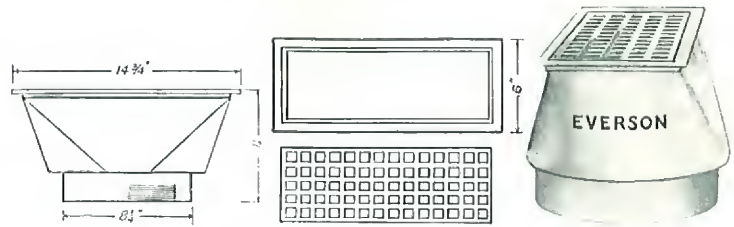
# SWIMMING POOL DRAINS

BY EVERSON

## MAIN DRAINS . . . . .

### FOR POOL FLOOR No. 894

This large capacity main drain fitting is intended for use as a main outlet from the deep part of the pool to the suction side of the recirculating system. It is designed for permanent and trouble-free installation. The bodies are of one-piece construction and are so designed as to embed themselves in concrete to avoid leakage. Bodies are of cast iron with special Everson Cora Metal strainer plates. This drain is furnished for 6" or less I.P.S. connection, or 6" caulked connection. These drains should be installed in pairs, on 20 ft. maximum centers.

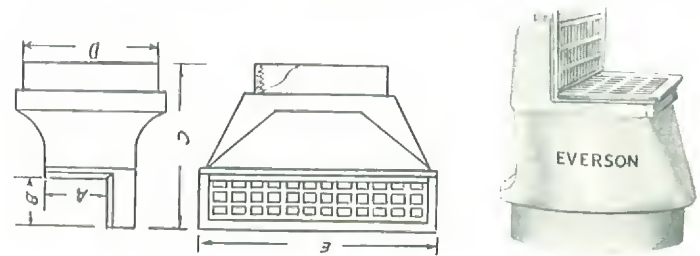


MAIN DRAINS

Catalogue number	Drain pipe size	Total weight
894	6" Female Pipe Thread 6" Caulking Joint	34 lb. 38 lb.
894	4" Female Pipe Thread 4" Caulking Joint	42 lb. 45 lb.

### ANGLE FLOOR DRAIN a side wall drain No. 897

No. 897 is a side wall pool drain. It allows the main drain line to extend directly out from the pool wall, if installed in a horizontal position. This drain can be installed with a minimum of excavating. It is ideal for installation in old swimming pools because it can be installed without excavating under the pool floor. No. 897 is furnished with female pipe thread or caulked joint. The heavy cast iron body is furnished black japanned or galvanized. Strainer plates come in two pieces finished in polished Cora Metal.



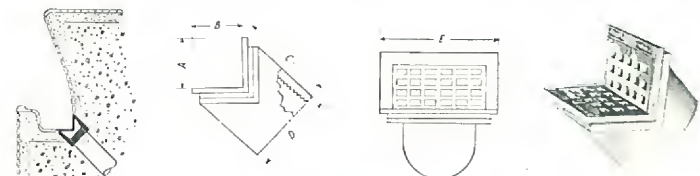
897 SIDE WALL MAIN DRAINS

Catalogue number	Drain pipe size	Dim'n. A	Dim'n. B	Dim'n. C	Dim'n. D	Dim'n. E	Weight
897	6" Female Pipe Thread 6" Caulking Joint	4 1/4"	3 3/4"	10 1/4"	8 1/4"	14"	41 lb. 45 lb.
897	4" Female Pipe Thread 4" Caulking Joint	4 1/4"	3 3/4"	10 1/4"	8 1/4"	14"	49 lb. 52 lb.

## GUTTER DRAINS . . . . .

### ANGLE GUTTER DRAINS No. 910 & 918

This angle overflow drain for installation in the overflow trough of swimming pools was designed specifically to accomplish a definite purpose. It has a horizontal and vertical grating which allows for quicker flow off of sudden surges of water through overflow trough and also allows for flow off of water in case the openings in the horizontal gratings become clogged for one reason or another. This fitting is made of the same high standard type of construction as other Everson fittings with special Cora Metal face plates, bodies of cast iron or brass.

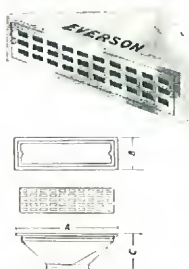


ANGLE GUTTER DRAINS

Catalogue number	Drain pipe size	Dimen. A	Dimen. B	Dimen. C	Dimen. D	Dimen. E	Weight
910	2"	2"	2"	3"	3"	4 1/2"	3 lb.
918	2 1/2"	2 1/2"	2 1/2"	3 1/2"	3 3/4"	5 1/2"	5 lb.

### FLOOR AND GUTTER DRAIN No. 893 & 900

Here is a flat-surfaced floor or gutter drain most applicable for draining splash water from pool walks or other flat surfaces. It may also be used in flat-bottomed gutters as an overflow drain. This drain is made of heavy, durable cast iron, and furnished galvanized or black japanned. Strainer plates are of polished Cora Metal.

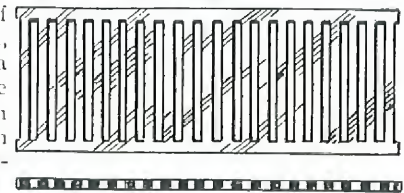


OVERFLOW OR FLOOR DRAIN

Catalogue number	Drain pipe size	Dimen. A	Dimen. B	Dimen. C	Dimen. D	Weight
893	2"	8"	2"	2"	3"	3 1/2 lb.
900	2 1/2"	9"	3"	2 1/2"	3 3/4"	6 1/2 lb.

### GRATING FOR FLOOR DRAIN TRENCHES

This grating is made of heavy, durable cast iron, and is used to cover a trench drain. It is suitable for any large-volume drain requirement. Furnished in black japanned or galvanized iron and brass.



Catalogue number	Size	Total area of openings	Weight
904	12x20	49 sq. in.	50 lb.

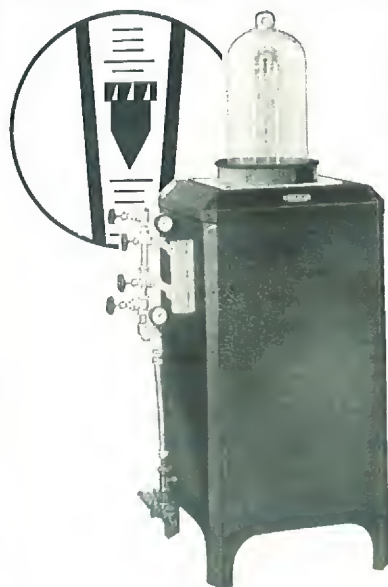
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# EVERSON SOLUTION FEED CHLORINE STERILIZERS

*Everson builds Chlorine  
Swimming Pools, Industries,*

21  
67

## EMBODYING THE NEW ROTA-METER FOR ACCURATE GAS MEASUREMENT



The Rota-Meter is a flow-metering instrument used to measure accurately the flow of chlorine gas. It consists essentially of a tapered, chemical glass tube, and a rota shaped like a top. The rota is placed inside the tube and is held in suspension by the upward flow of the gas. This rota is made of pure silver and is so designed and machined that it maintains a given operating ratio. So accurate are the readings of the Rota-Meter that we guarantee it to vary less than 1%.

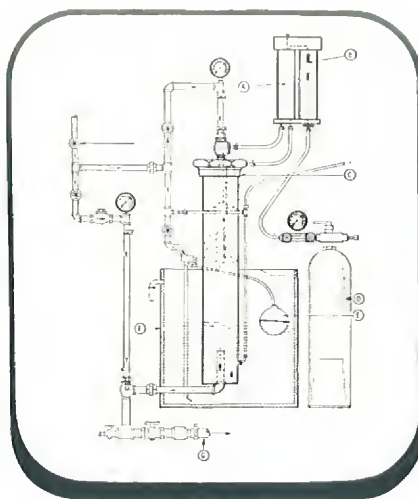
The rota operates freely by means of specially shaped slots cut in the head. The gas passing through the Rota-Meter impinges against the head, causing it to rotate.

The area of the annular orifice through which the gas must pass increases as the rota is carried upward by the increased flow of the gas. The position of the rota is therefore in direct relation to the rate of flow.

The tapered glass metering tube is provided with a reference scale to facilitate accurate determination of the rota position. A capacity chart is furnished to compute the scale readings.

### ... HERE'S HOW

After the chlorine gas passes from the Pressure Tank (D) to the Rota-Meter (B) it is drawn first to the vacuum Cylinder (A) and then to the hard-rubber Absorption Tower (C) by induced vacuum, created by injection of auxiliary water supplied under pressure through injection. This atomized water crosses the path of the gas, creating under vacuum considerable turbulence. This action exposes a maximum surface to the gas, causing an intimate mixture and complete absorp-



### IT OPERATES

tion. In solution, it falls to the bottom of the Absorption Tower where it is further diluted with water from the Mixing Tank (F). The flow, regulated by the Float Valve (E), which maintains the water seal of the mixing tower, passes through the Outlet Pipe (G) to the point of delivery.

Where other chemicals are to be added, such as "chemical bricks," to maintain the Ph content, they can be introduced in the large rubber supply tank.

### ROTA-METER MODELS

Rota-Meter sterilizers are furnished in 4 models, R, DCR, CR, and PR. The R and DCR models are here illustrated. The operating principle, mechanism, and extreme accuracy of gas flow are identical for both models. The only difference comes in appearance, the DCR model being furnished with a beautiful steel cabinet in cracked black japan finish and with a glass hood which houses the rota-meter. Information on the

CR and PR models, also identical in operating principle, will be furnished on request.

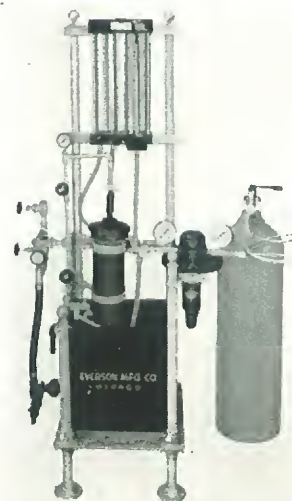
### OTHER STANDARD MODELS

Everson Pulsating Meter Sterilizers (Series G) can be furnished in 4 sizes, standard models, with chlorine capacities ranging from 1 to 40 pounds.

### STERILIZER SELECTION TABLE

Size number	Capacity range per 24 hours	Size number	Capacity range per 24 hours	Size number	Capacity range per 24 hours	Height	Weight	Floor space
R50	½ to 5	R53	2 to 20	R56	5 to 50	5'-9"	350 lbs.	20"x20"
R51	1 to 10	R54	3 to 30	R57	7½ to 75	5'-9"	350 lbs.	20"x20"
R52	1½ to 15	R55	4 to 40	R58	10 to 100	5'-9"	350 lbs.	20"x20"

Information on larger capacities furnished on request.





## EVERSON SAFETY ELECTRIC STERILIZERS

**BUILT IN A COMPLETE RANGE OF CAPACITIES OF CHLORINE PER 24 HOURS AND ACCURATELY METERED, THERE IS AN EVERSON STERILIZER TO FIT ANY JOB YOU MAY HAVE**

21  
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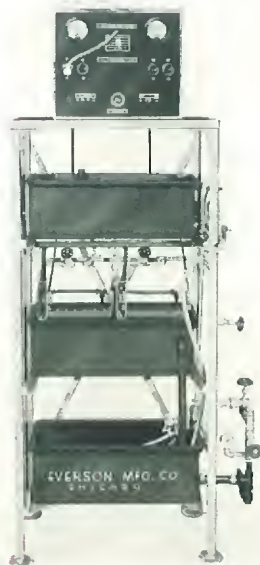
The Everson Safety Electric Sterilizer is one of the great achievements of the Everson laboratories for it affords the safest and most convenient method of applying a sterilizing agent to swimming pool water. It produces at the pool site a neutral solution of sodium hypochlorite, known as one of the most effective germicides.

Sodium hypochlorite retains its activity in the pool. It permeates every part, keeping the water germ-free. Also, the Everson Safety Electric Sterilizer ends over-chemicalized water. A rheostat control of volume permits exact measuring of the sterilization required.

### DESCRIPTION OF OPERATION

The Everson Model E Safety Electric Sterilizer provides the safest and most convenient means of applying a sterilizing agent to swimming pool water. It produces at the pool site a neutral solution of sodium hypochlorite, one of the most highly efficient germicides known.

The unit consists of a specially designed and constructed electrolytic cell which is supplied with a solution of common salt from a brine tank mounted above it. The product of electrolysis—sodium hypochlorite—flows into the solution tank located beneath the cell. From this tank, it is drawn directly into the recirculating system.

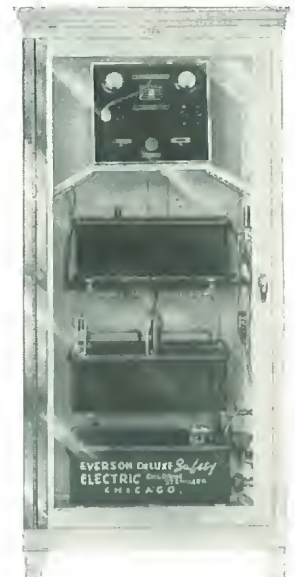


### INSTALLATION SUGGESTIONS

Provide space 20"x40" conveniently near the source of application of the sterilizing solution, or near the water circulating pump.

Provide an electrical outlet with A.C. current at 110 volts, 60 cycle, 15 amperes. Provide a main water service line to the sterilizer,  $\frac{3}{4}$ " is sufficient. Provide a floor drain.

Locate sterilizer above the level of the pool so that sterilizing agent will feed to pool by gravity. If the equipment cannot be located above pool level, it may be placed at any convenient point below the inlet lines. A  $\frac{3}{4}$ " city water supply to operate ejector is sufficient.



**DELUXE MODEL  
SAFETY ELECTRIC  
STERILIZER**

### ADVANTAGES OFFERED BY THE EVERSON SAFETY ELECTRIC STERILIZER

**SAFETY**—This sterilizer solves many problems and provides a genuine factor of safety. The hazards of gas leakage are ended because all storage of gas is eliminated. Fans, vents, vaults, and separate housing are also unnecessary.

**ALKALINITY**—Sodium Hypochlorite produces a neutral solution. Applied to the water in the swimming pool, it maintains alkalinity, thus preventing irritated skin or sore eyes for bathers.

**LOW COST**—This low-cost sterilizer for all types of swimming pools is more economical and more practical than any other type. With the use of the Everson Safety Electric Sterilizer, you can be certain that the pool water is neutral, non-irritating, free of germs, and fit to swim in.

**STERILIZER SELECTION TABLE**

Type	Capacity available chlorine per 24 hours	Water capacity of swimming pool	Space required	Approximate weight
E-3A	3 lbs.	50,000 to 75,000 gals.	18"d x 36"w x 80"h	300 lbs.
E-6A	6 lbs.	75,000 to 125,000 gals.	18"d x 36"w x 80"h	350 lbs.
E-12A	12 lbs.	125,000 to 200,000 gals.	18"d x 54"w x 80"h	500 lbs.



# SWIMMING POOL LIGHTING EQUIPMENT

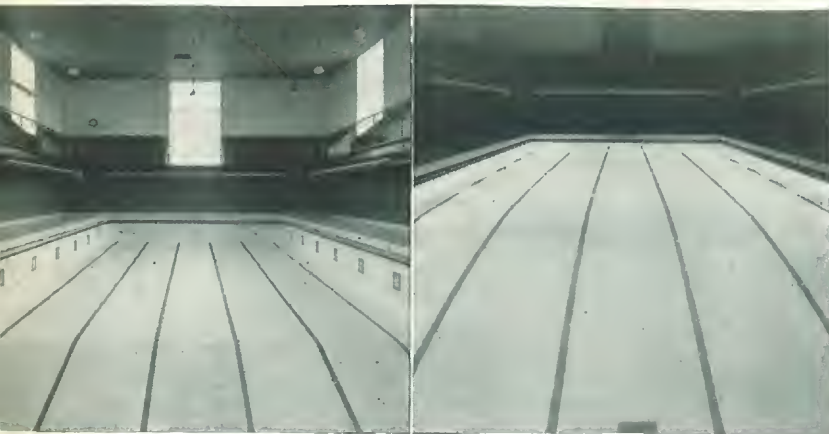


Illustration (left) Shows Pool Without Water. At Right, Same Pool, Filled with Water and Underwater Lighted

## *On Lighting the Ideal Pool*

**T**ODAY, no pool is strictly modern without Everson Underwater Lights which convert the pool water into a beautiful, luminous mass through which swimmers glide — clearly visible at all depths. Everson Underwater Lights greatly enhance the beauty of any pool and add to enjoyment, utility and safety. By eliminating the need for overhead lighting, they end fatiguing surface glimmer, add interest to contests and exhibitions, because every detail of stroke and form is easily followed by spectators. Underwater Lights permit many fascinating effects for pool parties and water carnivals.

Today, the finest lighted pools are equipped with Everson Lights. Types are provided for every construction — for concrete, tile, or cast marble pools — accessible for servicing from tunnel or service pit.

## EVERSON UNDERWATER LIGHTS

Everson Lights are a remarkable engineering achievement accomplished only after tireless research and experimentation. They should not be confused with various adapted lights offered for underwater lighting, many require emptying of the pool to permit servicing, cleaning or re-lamping. Placed in the pool walls, their special double lenses and deep reflectors compensate for all refraction and give evenly, diffused illumination.

Everson Underwater Lights are made in four different series to meet the various types of pool construction. Each series consists of the Angle Type for depths of water 5 feet and over, and the Vertical Type for depths of water under 5 feet.

To produce an evenly diffused light throughout the pool water, without shadows or dark spots, it is recommended that light units be placed in each side wall on maximum centers of 10 feet, starting not more than 7½ feet from either end.

It is not necessary to place units in either end wall or on two levels in side walls to obtain perfect illumination.

Everson units are installed to provide access from the rear or top end. With such application it is not necessary to empty the water from the pool for cleaning or re-lamping as with lights of other make. All servicing can be done while the water is in the pool.

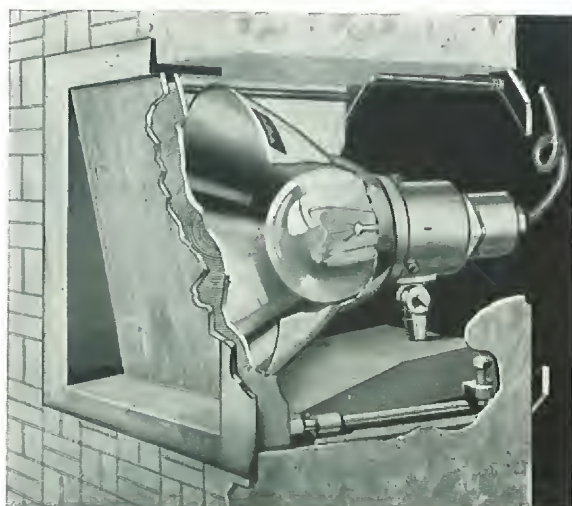
### ONLY EVERSON LIGHTS OFFER

- **Cora-Metal Frames**—Cast from special Everson alloy, are silver in color and take a high, permanent polish. The frame is properly proportioned to give a pleasing effect in the wall and is free from protruding parts or angles which might injure bathers. When set, as directed, it forms a permanent leakproof receptacle for the lenses.

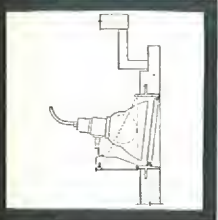
- **Holophane Lenses**—Concentrate light in a uniform beam, are set inside the frame and project the light rays through non-shattering, diffusing lens on the water side.

- **Lights and Reflectors** — Standard 500 watt Mazda Lamps, replaceable anywhere, set in a 11½-in. reflector designed for this particular size. The reflecting surface is a silver mirror of high coefficient of reflection. The silver plating is hermetically sealed between glass and copper which protects it from corrosion, and assures a permanent lighting installation.

For additional information send for bulletin No. 731.



Service Pit  
Lights serviced  
from above



Installation  
for cast marble  
pools



Service Tunnel.  
Side view

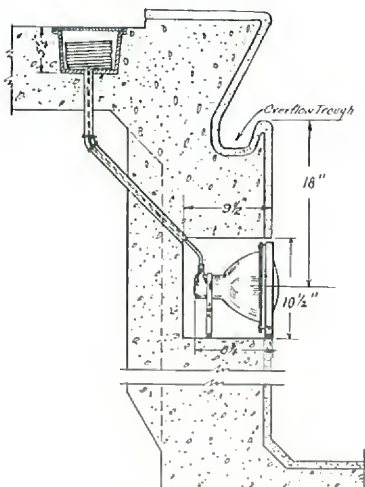


Service Tunnel.  
Rear view



# SWIMMING POOL LIGHTING EQUIPMENT

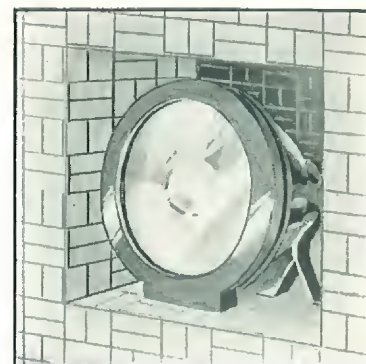
## THE EVERSON 960. A SELF-CONTAINED FLOODLIGHT FOR UNDERWATER USE



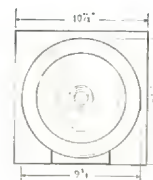
This light unit is placed in a niche in the pool wall and adjusted so that the light beam is tilted as desired. Fifteen feet of water-proof cord can be unreeled from the electric junction box to permit the light unit to be lifted above the water for renewing the bulb. This eliminates the necessity of drawing water from the pool.

The spacing of the lights should be less than 10 feet apart, and in some cases spaced 5 feet apart. In pools having a greater depth than 8 feet, an extra row of lights spaced 5 to 6 feet on centers and about 5 to 6 feet below the overflow trough are recommended.

The No. 960 unit (250 watts) is made of solid castings, fitted with a water-tight lens door. The lens  $8\frac{3}{8}$ " in diameter is a convex diffusing roundel with stippled grooves that spread and diffuse the light beam over a wide area.

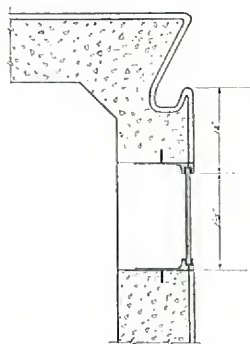


FRONT VIEW  
OF THE  
EVERSON 960



21  
67

## EVERSON'S NEWEST AID TO SWIMMING INSTRUCTIONS THE EVERSON OBSERVATION WINDOW



With the aid of an observation window placed in the pool wall below the water level, coaches find the problem of instructing swimmers greatly simplified. Through the observation window, every movement of the diver or swimmer can be observed. Faults are readily apparent, and proper instruction can be given to remedy mistakes. Many coaches too, find that by taking moving

pictures from observation windows, they make swimming instruction much more interesting.

Pools provided with observation windows should also be provided with underwater lights.

Complete information on the Everson Observation Window will gladly be sent on request.

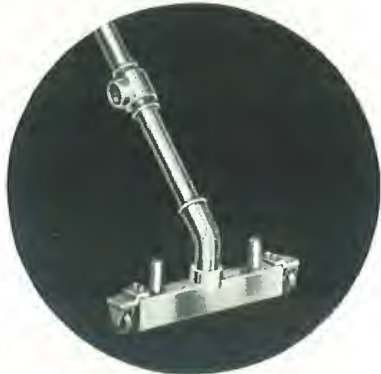


Every Movement of Swimmers Under Water Can Be Seen Through the Everson Observation Window



# SUCTION POOL CLEANERS

21  
67



## Two Types of Cleaners

### FIT EVERY TYPE AND SIZE OF POOL

The Everson Pool Cleaners operate much like the ordinary domestic vacuum cleaners, except that the dirt carrying agent is water instead of air. They are used to remove the sediment which settles on the floor and walls of the pool. The standard Everson Pool Cleaner is designed to operate in connection with a recirculating system, but can be used in all types of swimming pools, provided that a motor driven pump is installed.



### PUSHER TYPE

This pool cleaner is constructed of brass, highly polished, complete with special hair-bristle brush and wire-woven hose, particularly adapted for this purpose. It is light, rigid, and has rollers on the cleaner nozzle, which permit easy operation by one man.

This cleaner is 16 inches wide. It is equipped with polished brass handle and 50 foot length of special Everson non-collapsible hose.

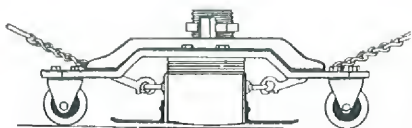
The unit operates direct from the recirculating pump and is propelled over the bottom of the pool by an operator walking around the pool walk.

### TOW TYPE

For large pools—indoor or outdoor—the Tow type pool cleaner is recommended. It is made in three sizes, 24-30-36 inch suction spread. It is of the drag type and is equipped with four rubber wheels and drag ropes with which it is moved over the floor of the pool by attendants.

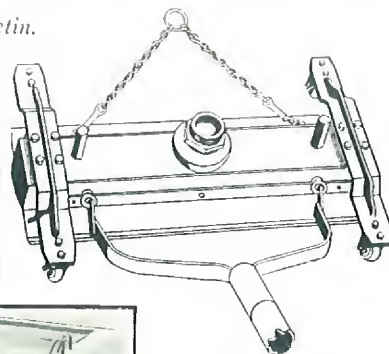
The Everson Tow type pool cleaner is speedy in operation. It is durable and easy to handle. It removes all sediment without draining or scrubbing the pool—leaves the floor clear and inviting.

*Write for our special bulletin.*



POOL CLEANER SELECTION TABLE

No.	Type	Hose	Hose size	Hose length	Handle	Tow line	Ship. weight
1016	Push	15"	1½"	50'	2-7'	None	75 lbs.
1018	Push	18"	1¾"	50'	2-7'	None	100 lbs.
1019	Tow	18"	1¾"	50'	None	100'	100 lbs.
1024	Tow	24"	2"	75'	None	150'	185 lbs.
1030	Tow	30"	2"	100'	None	200'	225 lbs.
1036	Tow	36"	2½"	150'	None	250'	350 lbs.

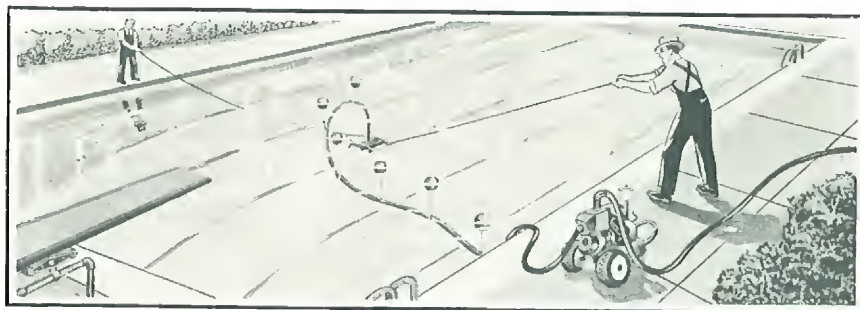


SIDE VIEW

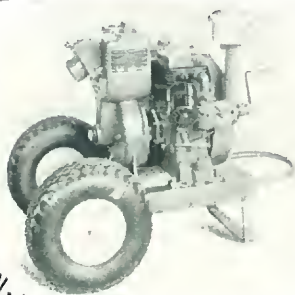
The Deluxe Model has two extension fins—one on each side of the nozzle. These fins spread suction over a greater area of the pool floor, permit the easy flow of sediment without disturbing the water. This model is ideal for use where heavy deposits of leaves, sand, or algae occur.

### DELUXE MODEL

Here is the finest pool cleaner built. It is made of heavy cast brass, heavily chrome plated. Furnished with double tow chains, and with detachable push handles for use in shallow water. Replaceable rubber wheels at each end of the cleaner make possible free and easy manipulation of cleaner over pool floor.



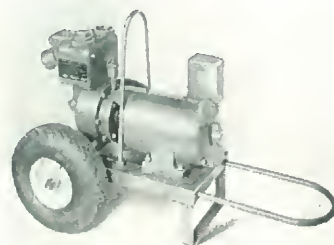
## EVERSON PORTABLE SUCTION PUMPS



In pools where built-in circulating pumps are not provided, and in large outdoor pools, the Everson Portable Self-Priming Suction Pump becomes an economical and necessary part of the pool cleaning system.

These portable self-priming pumps, obtainable in proper sizes and capacities to accommodate the size of pool cleaner selected, may be had with either an electrically driven or gasoline driven motor.

Pump with motor is mounted on a sturdy iron base equipped with two wheels and pneumatic rubber tires. These tires are extra large and are therefore easily rolled across sand, grass, or soft places.





# SPECIFICATIONS

## For Equipping the Ideal Pool

21  
67

It is the intent of these specifications to cover all necessary equipment to provide not less than an eight-hour turnover of the water supply of a swimming pool — x — containing — gallons.

All items of equipment as hereinafter set forth and which is a part of the swimming pool circulating system shall be furnished by Everson Manufacturing Company, 214 W. Huron Street, Chicago, Illinois, which company will guarantee all equipment against inherent defects for a period of one year, and shall further guarantee that if equipment is installed and operated according to its instructions, that the water in the pool will be bright and clear, free from sediment visible to the unaided eye, and of a degree of sterility acceptable to Local and State Boards of Health.

**FILTERS**—The filter equipment shall consist of (—) (—) diameter pressure units having a combined capacity of — gallons per hour. These units shall be type S.L. as manufactured by Everson Manufacturing Company, and shall be complete with steel filter shells with all necessary openings, interior spreader and strainer system, fitted with Everson improved type "T" strainers, adjustable supporting jacks, quartz filter material to provide a 36-in. filter bed for each unit, and all necessary pipe, fittings and valves for external operating manifold, together with accessories such as sight glasses, test cocks, pressure gauges and air reliefs.

The external operating manifold shall be so designed as to provide for all necessary operations, and more specifically covering filtering, backwashing, filtering to waste and by-pass of any one or all units.

**COAGULANT AND ALKALINITY FEEDERS**—Two cast iron pots of special design, complete with brass pipe, fittings and regulating valves for connection to recirculating system. The size and capacity of these feeders shall coordinate with filters.

**STERILIZER** (*Select Style of Sterilizer Suitable for Type of Pool*)—(A) One Everson Model E— Electrolytic Cell Chlorinating apparatus, complete with all necessary operating parts, including electric rectifier unit to operate from 110 volt, single phase, electric supply. (For indoor and outdoor pools to 125,000 gallons.)

(B) One Everson Model R— Chlorine Solution Feed Equipment, complete with all necessary accessories, and including cylinder of chlorine gas.

Manufacturer shall furnish services of engineer to supervise installation of chlorinator equipment and start same in operation.

**CHLORINE AND ALKALINITY TESTING OUTFITS**—One Everson No. 7019 Orthotolidin Testing Outfit for determination of chlorine residual, and one Everson No. 7019-A pH Testing Outfit for determination of alkalinity content.

**HAIR AND LINT CATCHER**—One — in. improved Everson No. 784 hair and lint catcher equipment. This equipment shall have yoke clamp cover affording easy removal of basket for cleaning purposes. It shall also be fitted with compound vacuum pressure gauge.

**RECIRCULATING PUMP, MOTOR AND STARTER**—One fully bronze fitted centrifugal pump having a capacity of — gallons per minute when operating against a — head.

Pump shall be mounted on cast iron base and direct connected by flexible coupling to a — hp., — phase, 60 cycle, — volt, 1800 r.p.m. motor. There shall also be furnished a starting switch with push button station providing overload and undervoltage protection.

**SURGE TANK**—One — in. diameter by — in. high open steel tank, complete with necessary openings and fully adjustable supports. With this equipment there shall be furnished a tight closing balance piston float valve equal to Everson No. 398 for installation on the city water supply.

**VACUUM CLEANER** (*For indoor or outdoor pools to 200,000 gallons*)—One Everson No. 1016 vacuum cleaner equipment consisting of improved brass suction nozzle fitted with fully adjustable brush and wheels, extension with swivel tee, two, seven ft. extension handles, and fifty ft. of special wire-woven rubber lined vacuum cleaner hose with swivel couplings.

(*For large capacity outdoor pools.*)

One Everson No. 1030 vacuum cleaner equipment consisting of 30-in. brass suction nozzle with fully adjustable bristle brush, wheel carriage, 75 ft. of special 2-in. wire-woven rubber lined hose with brass swivel couplings, floats and necessary tow ropes.

(*Pump for operation of large vacuum cleaner units.*)

One fully self-priming portable centrifugal pump direct connected to suitable electric motor (or gasoline engine) all mounted on a truck with fully pneumatic tired wheels and 10 ft. of discharge hose.

**SWIMMING POOL FITTINGS**—The various fittings for installation in the swimming pool shall be of special design as manufactured by Everson, and all shall be fitted with special polished white metal faceplates. The various fittings required are as follows:

- 6-in. Everson No. 894 main drains
- 2-in. Everson No. 890 adjustable flow inlet fittings
- 2-in. Everson No. 910 angle overflow gutter drains
- 2½-in. Everson No. 900 floor drains
- 2-in. Everson No. 693 vacuum cleaner connections.

**INSTANTANEOUS HEATER** (*For Indoor Pools*)—One instantaneous type steam operated swimming pool heater having a capacity of — g.p.m., 50 to 80 degrees F., when supplied with steam at atmospheric pressure. This heater shall be furnished with all necessary openings for water, steam, condensation and drain connections.

**UNDERWATER LIGHTING**—In the walls of the swimming pool there shall be installed — 500 watt underwater light units as furnished by EVERSON MFG. Co., 214 W. Huron Street, Chicago, Illinois. These units shall consist of Cora Metal front frames, specially applicable to the construction and finish of the pool walls, 12½-in. square non-shattering front diffusing lens; 12-in. square rear concentrating lens; 11½-in. hermetically sealed silver mirrored reflector fitted into porcelain receptacle, mounted with full ratchet adjustment on portable stand, together with extension cord and plug.

**NOTE:** Install Everson Underwater Light units in both side walls of the swimming pool on not over 10 ft. centers opposite each other, starting not over 7½ ft. from either end, with horizontal center of unit 1'5" below overflow water level.

THE EVERSON ORGANIZATION WILL GLADLY ASSIST IN SUBMITTING TO ARCHITECTS AND ENGINEERS, WITHOUT OBLIGATION, TYPICAL SPECIFICATIONS, LAYOUTS AND DATA PERTINENT AND APPLICABLE TO A SPECIFIC PROJECT OR REQUIREMENT.

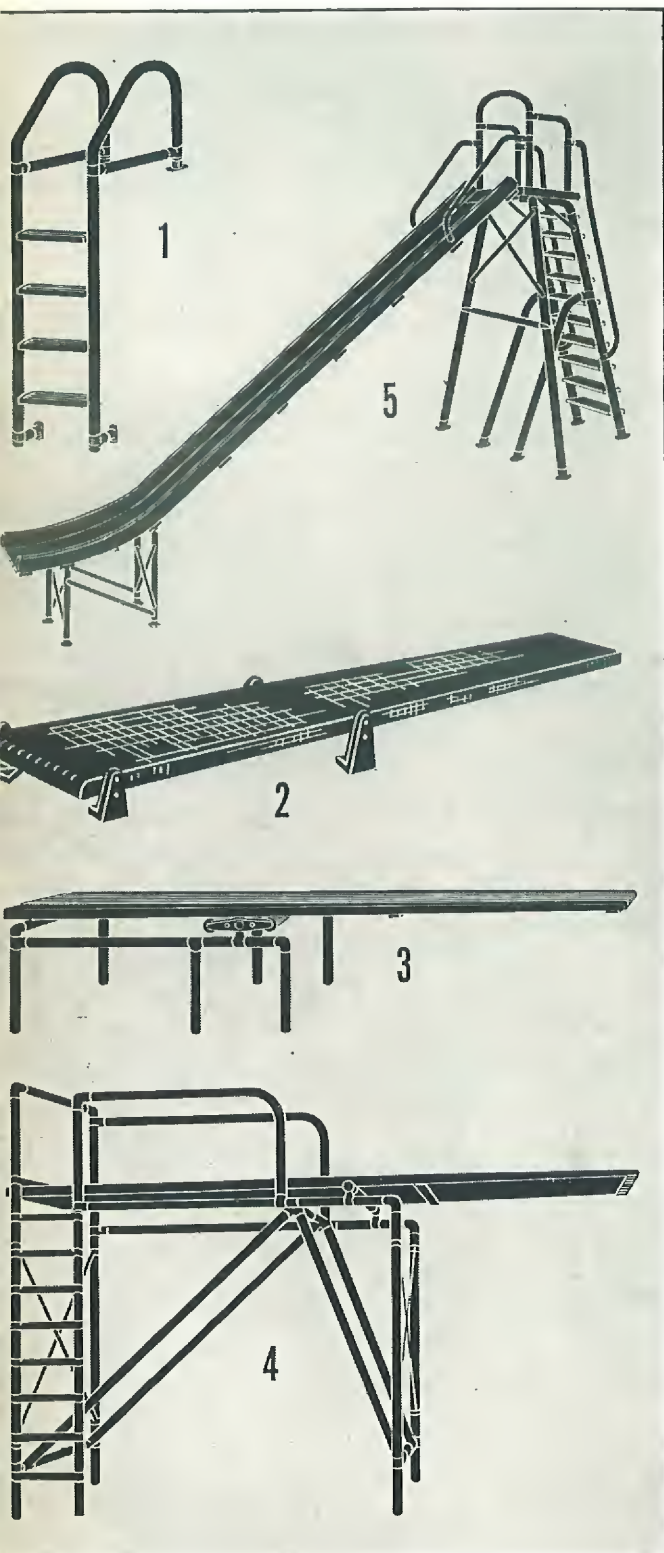
THE EVERSON  
15  
POOL



# POOL ACCESSORIES

BY EVERSON . . .

21 — 67



Everson Equipment adds to the popularity of any swimming pool, because each piece is exactly suited for its purpose. You will find this equipment carefully designed, accurately made of the finest materials. It will give long, dependable service. On special orders, ladders and mountings for springboards can be furnished in "Alzack" or "Aluminite" with various colors available in the latter.

## 1. EVERSON POOL LADDERS

Everson Removable Pool Ladders are substantially built. Standard ladders are furnished with risers of galvanized iron, polished brass or chromium plate. Treads are so designed as to give safe and easy footing. Anchors are of the dual type embedded in the walk, flush with the floor line, leaving no projection when the ladder is removed. Anchor fittings also permit immediate and effortless removal of the entire ladder.

A special line of ladders, "Aluminite" treated, in colors can be obtained on special order. Colors obtainable are black, blue, green, red, maroon, yellow, orange and white, and this type of ladder is appropriate for the unusual and private swimming pool where harmonizing color schemes and beautiful effects may be desirable.

## 2. EVERSON LOW DIVING BOARD

The Everson Low Diving Board is constructed of selected boards, doweled, battened and fitted without rough edges or wavy surfaces. Board is 12'0" long and is tapered from rear to tip. Board is covered with cocoa mat which is easily removable. This board has a noiseless "whip up," provides a superb spring, and will give years of satisfactory service.

## 3. NATIONAL ONE-METER REGULATION DIVING BOARD

This board conforms in all essentials with the specifications of the National Collegiate Athletic Association and the Amateur Athletic Union of the U. S. The board is 14' long by 20" wide, tapering from 3" at rear to 1½" at tip, either of laminated or one-piece construction. Adjustable fulcrum is furnished in single or dual type. Standard mounting in 1½" or 2" for board furnished in galvanized steel pipe and malleable fittings, or chrome plate over galvanized, brass, or chrome plate over brass. Entire apparatus is readily removable through special type of anchors which are embedded in walk. Stand provided so that tip of board is exactly one meter above the water. Mountings can be furnished in "Aluminite" in colors on special orders.

## 4. EVERSON IMPROVED REGULATION 3-METER DIVING BOARD STAND

This stand complies in every particular with the specifications of the National Collegiate Athletic Association and the Amateur Athletic Union. The board is 16' long by 20" wide, tapering from 3" at rear to 1½" at tip, either of laminated or one-piece construction. Adjustable fulcrum is furnished in single or dual type. Standard mounting in 1½" or 2" for board furnished in galvanized steel pipe and malleable fittings, or chrome plate over galvanized, brass, or brass chrome plate.

Stand provided so that the tip of the board is exactly 3 meters or 10' above the water. Mountings can be furnished in "Aluminite" in colors on special orders.

## 5. EVERSON NATATORIUM SLIDES

This slide can be used for either indoor or outdoor pools. It is constructed of galvanized steel and malleable iron, and is obtainable in several sizes. The chute side rails and the broad stair treads are made of suitable hardwood. All metal chutes can also be furnished. The slide can be bolted to concrete, tile, wood flooring.



# POOL ACCESSORIES

. . . BY EVERSON

21 — 67

## 6. RUBBER FOOTBATHS

In the control of what is termed "Athlete's Foot" sodium hypochlorite or a chlorine solution has been found most effective. As rubber is impervious to such solutions, Everson developed sturdy molded hard and semi-hard rubber footbaths suitable for installation in shower rooms, locker rooms, runways, etc. These footbaths are 31" x 26" x 3½" deep; color black, with double wall construction affording curved top, spout to facilitate emptying solution. These footbaths have corrugations on interior bottom making them non-skid.

## 7. COCOA MATTING

For springboards and many other places around swimming pools, as steps, runways, ramp and walks, to safeguard against slipping. This matting comes in 18" and 36" widths, approximately 5/16" thick, and weighing about 1½ pounds per square yard.

## 8. LIFE GUARD CHAIR

This is an item of necessity, especially on larger outdoor swimming pools. It is constructed of either 1½" or 2" galvanized pipe and fittings with hardwood seat, backboard and footboard. Height overall as shown, 7'6" with seat 5'9" above walk. Anchors for setting are of type to make entire stand removable. Hooks furnished for each side for carrying life buoys. Furnished with or without umbrella.

## 9. LIFE BUOYS

This accessory is practically a necessity for all types of swimming pools. Life buoys are made in two sizes — 24" and 30" in diameter, weighing 5 and 10 pounds respectively. Made of solid cork and heavy white duck with ½" hand rope stitched in. All 30" buoys comply with U. S. Department of Commerce inspection.

## 10. SKIMMING NET

For smaller outdoor pools of country club and private nature this accessory is of great assistance in keeping water free from floating particles. The rim for net has a 15" diameter; net is 14" deep. Pole is 12' long and made of wood or aluminum.

## 11. TESTING OUTFITS

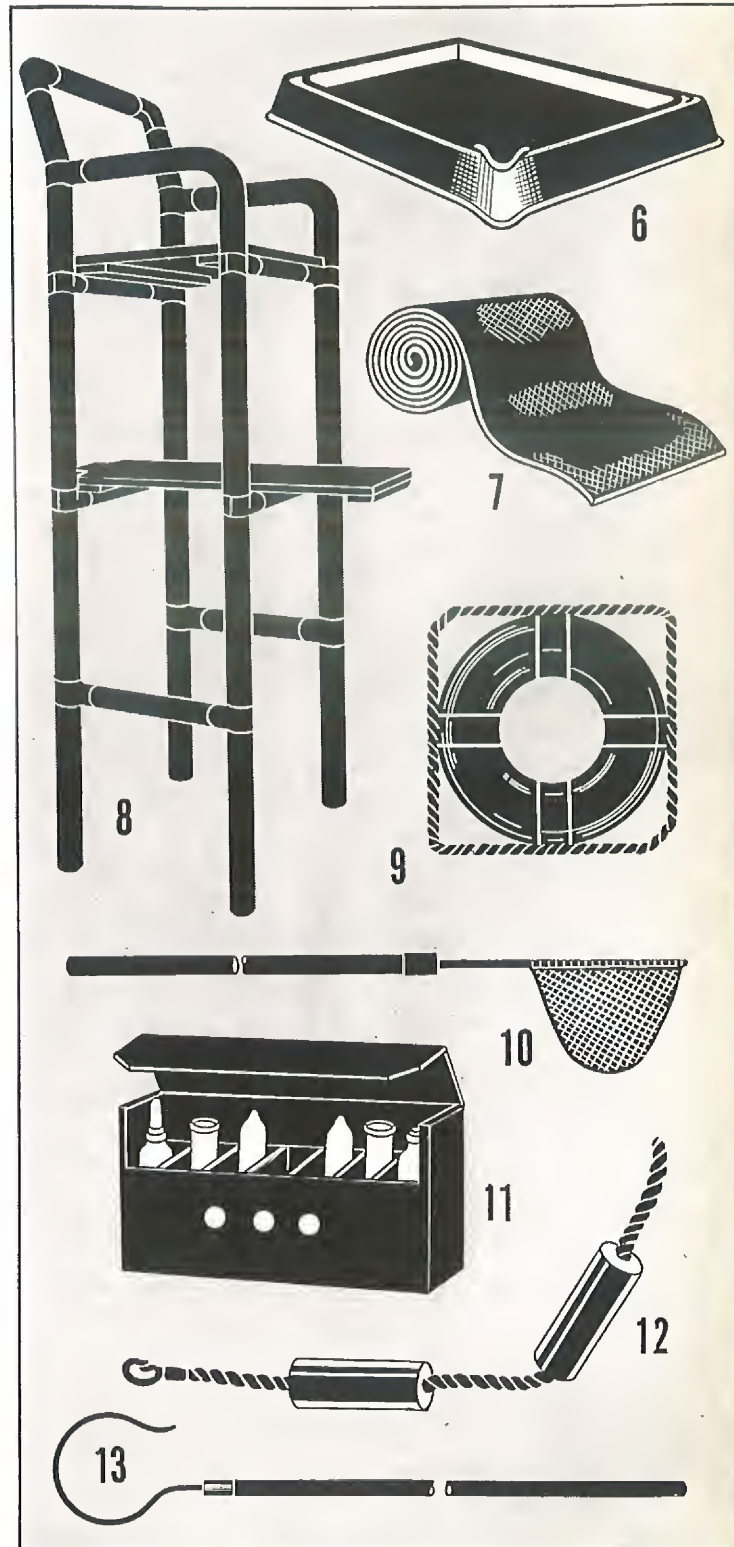
In the operation of any pool it is necessary to ascertain chlorine residual and alkalinity content of the water supply. Everson has developed a compact outfit for each test and so simple that anyone can determine the actual conditions. The cases are 10" long, 6" high and 2" deep, containing test tubes, color standards and testing reagents.

## 12. LIFE LINE

Life lines are of best quality sisal rope, ¾" in diameter with floats of either cork or wood. Cork floats are 9" long and 6" in diameter. Sisal rope is furnished with brass end eyes or brass clevis. For new swimming pools recessed life line anchors are furnished for setting flush with wall.

## 13. RESCUE POLE

An essential item for either safety or teaching facilities. The hook is of galvanized rod, with an appropriate 18" diameter fitted to either a wooden or aluminum handle 14' long.





# A FEW REPRESENTATIVE EVERSON INSTALLATIONS

## MUNICIPAL POOLS

G—Blytheville, Arkansas  
R—Arlington Heights, Illinois  
Bellwood, Illinois  
G—Cicero, Illinois  
E—Kewanee, Illinois  
Lyons, Illinois  
Park Ridge, Illinois  
Peru, Illinois  
Rushville, Illinois  
Springfield, Illinois  
Brazil, Indiana  
G—Wabash, Indiana  
G—Washington, Indiana  
G—Grundy Center, Iowa  
E—Newton, Iowa  
G—Concordia, Kansas  
G—Cadiz, Kentucky  
G—Morganfield, Kentucky  
Lansing, Michigan  
G—Geneva, Nebraska  
G—Wilbur, Nebraska  
Dickinson, North Dakota  
G—Canton, Ohio  
Cleveland, Ohio  
G—Wapakoneta, Ohio  
Ponca City, Oklahoma  
G—Canyon, Texas  
G—Kilgore, Texas  
Perryton, Texas  
Wausau, Wisconsin  
G—River Falls, Wisconsin



## COUNTRY CLUB POOLS

E—Cheyenne Mountain Country Club, Colorado Springs, Colo.  
E—Griswold Hotel, New London, Conn.  
G—Lincolnshire Country Club, Cicero, Ill.  
H—Idlewild Country Club, Flossmoor, Ill.  
F—Lake Shore Country Club, Glenview, Ill.  
F—Glenview Country Club, Golf, Ill.  
H—Exmoor Country Club, Highland Park, Ill.  
G—Rayview Country Club, Huntwood, Ill.  
G—Joliet Country Club, Joliet, Ill.  
G—LaGrange Country Club, LaGrange, Ill.  
Onwentsa Club, Lake Forest, Ill.  
Winter Club, Lake Forest, Ill.  
G—Omney Country Club, Quincy, Ill.  
G—Forest Hills Country Club, Rockford, Ill.  
G—Edgewood Valley Country Club, Western Springs, Ill.  
E—Indian Hill Country Club, Winnetka, Ill.  
G—Hill Crest Country Club, Indianapolis, Ind.  
South Bend Country Club, South Bend, Ind.  
Hyperion Club, Des Moines, Iowa  
Blaney Park, Blaney, Mich.  
G—Cascade Country Club, Grand Rapids, Mich.  
Bridlespur Country Club, Kirkwood, Mo.  
Butte Country Club, Butte, Montana  
Fairview Country Club, Elmsford, N. Y.  
E—Bonnie Briar Country Club, Mamaroneck, N. Y.  
E—Pelham Country Club, Pelham, N. Y.  
Metropolis Country Club, White Plains, N. Y.  
Mayfield Country Club, Cleveland, Ohio  
Cleveland Country Club, Cleveland, Ohio  
H—Dayton Country Club, Dayton, Ohio  
J—Springfield Country Club, Springfield, Ohio  
I—Shawnee Country Club, Shawnee, Okla.  
G—Janesville Country Club, Janesville, Wis.

## PRIVATE POOLS

E—Matthew C. Brush, South Norwalk, Conn.  
H—Albert Edgar, Greenwich, Conn.  
Wm. F. Buckley, Sharon, Conn.  
E—Garret Hobart, Clearwater, Fla.  
Warren Wright, Golf, Ill.  
E—Leonard Florsheim, Highland Park, Ill.  
F. W. Woodruff, Joliet, Ill.  
E—E. O. Freund, Lemont, Ill.  
Wm. V. Kelly, Lake Forest, Ill.  
E—Phillip Armour, Lake Forest, Ill.  
E—Laurence Armour, Lake Forest, Ill.  
E—Roy D. Keelin, Lake Forest, Ill.  
A. D. Lasker, Lake Forest, Ill.  
E—B. J. Cahn, Lake Forest, Ill.  
E—E. J. Birmingham, Lake Forest, Ill.  
E—B. F. Stein, Lake Forest, Ill.  
E—C. H. Schweppe, Lake Forest, Ill.

E—Gwethalyn Jones, Lake Forest, Ill.  
E—David Adler, Libertyville, Ill.  
H. Good, Moline, Ill.  
E—Jules I. Rabens, Plano, Ill.  
Wm. Grunow, River Forest, Ill.  
E—Max Epstein, Winnetka, Ill.  
J—C. J. Root, Allendale, Ind.  
E—Vincent Bendix, South Bend, Ind.  
I. J. Leuter, Eaton Rapids, Mich.  
Peter Berkey, Lake City, Minn.  
H—E. J. Weschecke, St. Paul, Minn.  
E—Virgil Lewis, St. Louis, Mo.  
G—H. T. Weston, Beatrice, Nebr.  
Duane Van Vechten, Taos, N. M.  
M. Flook, Ossining, New York  
J—A. J. Appell, Purdys Corner, N. Y.  
H—I. J. Fox, Peekskill, N. Y.  
E—Mary R. Babcock, Reynolda, N. C.  
H—T. W. Miller, Ashland, Ohio  
J—H. H. Timken, Canton, Ohio  
J—Ellsworth Augustus, Kirkland, Ohio  
E—D. S. Blossom, Lyndhurst Village, Ohio  
E—F. B. Black, Mansfield, Ohio  
H. S. Black, Mansfield, Ohio  
R. L. Ireland, Shaker Heights, Ohio  
J. A. Chew, Xenia, Ohio  
T. W. Phillips, McBride, Pa.  
J—C. O. Wanvig, Brown Deer, Wis.  
F. L. Maytag, Lake Geneva, Wis.  
Don Shepard, Neenah, Wisconsin  
E—Herbert Kurth, Thiensville, Wis.

## INSTITUTIONAL POOLS

G—Boys' Club, Little Rock, Ark.  
High School, Cripple Creek, Colo.  
E—Y.W.C.A., Pueblo, Colo.  
G—Croatian School, Des Plaines, Ill.  
F—Montreal College, Gaiteray, Ill.  
E—Ill. School for the Deaf, Jacksonville, Ill.  
F—Lake Forest High School, Lake Forest, Ill.  
F—Western Ill. State Teachers' College, Macomb, Ill.  
E—North Central College, Naperville, Ill.  
Oak Park High School, Oak Park, Ill.  
University of Illinois, Urbana, Ill.  
Waukegan High School, Waukegan, Ill.  
High School, Columbus, Ind.  
Y.M.C.A., Elkhart, Ind.  
Horace Mann High School, Gary, Ind.  
G—Hammond Recreational Bldg., Hammond, Ind.  
E—Y.M.C.A., Indianapolis, Ind.  
E—High School, Fort Dodge, Iowa  
G—Wyndette High School, Kansas City, Kan.  
G—Y.M.C.A., Topeka, Kansas  
E—Southeastern High School, Battle Creek, Mich.  
E—Southwestern High School, Battle Creek, Mich.  
E—Boy Scouts' Temple, Battle Creek, Mich.  
E—Ford Recreational Bldg., Dearborn, Mich.  
Monroe High School, Monroe, Mich.  
E—Owosso High School, Owosso, Mich.  
Y.M.C.A., Minneapolis, Minn.  
Roosevelt High School, Virginia, Minn.  
E—Marquette Natatorium, Cape Girardeau, Mo.  
E—Tandy Park Community Center, St. Louis, Mo.  
E—Y.M.C.A., Lincoln, Nebraska  
Father Flanagan's Home, Omaha, Nebr.  
G—Officers & Soldiers Pools, Hempstead, N. Y.  
Y.M.C.A., Hornell, N. Y.  
High School, Niagara Falls, N. Y.  
Y.M.C.A., Oneonta, N. Y.  
High School, Fargo, N. D.  
Y.W.C.A., Cincinnati, Ohio  
Y.W.C.A., Columbus, Ohio  
High School, Dayton, Ohio  
G—Sugar Camp Pool, Dayton, Ohio  
Y.M.C.A., Dayton, Ohio  
G—Y.M.C.A., Mt. Vernon, Ohio  
E—Y.M.C.A., Piqua, Ohio  
Normal School, Aberdeen, S. D.  
School of Mines, Rapid City, S. D.  
University of South Dakota, Vermillion, S. D.  
Y.M.C.A., Chattanooga, Tenn.  
Southern Seminary, Buena Vista, Va.  
Lawrence College, Appleton, Wis.  
State Teachers College, LaCrosse, Wis.  
High School, Manitowoc, Wis.  
13 High Schools, Milwaukee County, Wis.  
6 Natatoriums, Milwaukee, Wis.  
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